

# Crude Oil Equivalency Summary

**Table D1. Total Energy Supply and Disposition Summary**  
(Million Barrels per Day Oil Equivalent, Unless Otherwise Noted)

Supply, Disposition, and Prices	Reference Case						Annual Growth 1999-2020 (percent)
	1998	1999	2005	2010	2015	2020	
<b>Production</b>							
Crude Oil and Lease Condensate .....	6.23	5.88	5.65	5.15	5.08	5.05	-0.7%
Natural Gas Plant Liquids .....	1.18	1.24	1.43	1.57	1.76	1.94	2.2%
Dry Natural Gas .....	9.07	9.05	10.09	11.21	12.72	14.03	2.1%
Coal .....	11.22	10.91	11.91	12.31	12.48	12.69	0.7%
Nuclear Power .....	3.40	3.68	3.73	3.63	3.22	2.89	-1.1%
Renewable Energy <sup>1</sup> .....	3.13	3.11	3.37	3.70	3.84	3.91	1.1%
Other <sup>2</sup> .....	0.31	0.78	0.27	0.14	0.15	0.16	-7.3%
<b>Total</b> .....	<b>34.53</b>	<b>34.65</b>	<b>36.45</b>	<b>37.72</b>	<b>39.25</b>	<b>40.68</b>	<b>0.8%</b>
<b>Imports</b>							
Crude Oil <sup>3</sup> .....	8.70	8.73	10.66	11.59	11.95	12.18	1.6%
Petroleum Products <sup>4</sup> .....	1.88	1.96	2.27	3.06	4.00	5.05	4.6%
Natural Gas .....	1.52	1.71	2.32	2.65	2.91	3.10	2.9%
Other Imports <sup>5</sup> .....	0.27	0.29	0.50	0.42	0.41	0.44	1.9%
<b>Total</b> .....	<b>12.39</b>	<b>12.70</b>	<b>15.74</b>	<b>17.72</b>	<b>19.27</b>	<b>20.77</b>	<b>2.4%</b>
<b>Exports</b>							
Petroleum <sup>6</sup> .....	0.92	0.94	0.86	0.84	0.87	0.90	-0.2%
Natural Gas .....	0.08	0.08	0.15	0.20	0.25	0.30	6.5%
Coal .....	0.94	0.70	0.71	0.69	0.64	0.66	-0.2%
<b>Total</b> .....	<b>1.93</b>	<b>1.71</b>	<b>1.72</b>	<b>1.73</b>	<b>1.76</b>	<b>1.86</b>	<b>0.4%</b>
<b>Discrepancy</b> <sup>7</sup> .....	<b>-0.21</b>	<b>-0.25</b>	<b>0.03</b>	<b>0.14</b>	<b>0.18</b>	<b>0.16</b>	<b>N/A</b>
<b>Consumption</b>							
Petroleum Products <sup>8</sup> .....	17.55	17.96	19.56	20.98	22.44	23.83	1.4%
Natural Gas .....	10.37	10.37	12.22	13.58	15.30	16.76	2.3%
Coal .....	10.17	10.10	11.35	11.81	12.04	12.24	0.9%
Nuclear Power .....	3.40	3.68	3.73	3.63	3.22	2.89	-1.1%
Renewable Energy <sup>1</sup> .....	3.13	3.11	3.37	3.70	3.84	3.92	1.1%
Other <sup>9</sup> .....	0.14	0.16	0.26	0.15	0.11	0.11	-1.9%
<b>Total</b> .....	<b>44.77</b>	<b>45.39</b>	<b>50.50</b>	<b>53.84</b>	<b>56.95</b>	<b>59.74</b>	<b>1.3%</b>
<b>Net Imports - Petroleum</b> .....	<b>9.89</b>	<b>9.98</b>	<b>12.34</b>	<b>14.10</b>	<b>15.38</b>	<b>16.59</b>	<b>2.5%</b>
<b>Prices (1999 dollars per unit)</b>							
World Oil Price (dollars per barrel) <sup>10</sup> .....	12.02	17.35	20.83	21.37	21.89	22.41	1.2%
Gas Wellhead Price (dollars per Mcf) <sup>11</sup> .....	2.02	2.08	2.49	2.69	2.83	3.13	2.0%
Coal Minemouth Price (dollars per ton) .....	18.02	16.98	14.68	13.83	13.38	12.70	-1.4%
Average Electric Price (cents per kilowatthour) ..	6.8	6.7	6.2	5.9	5.9	6.0	-0.5%

<sup>1</sup>Includes grid-connected electricity from conventional hydroelectric; wood and wood waste; landfill gas; municipal solid waste; other biomass; wind; photovoltaic and solar thermal sources; non-electric energy from renewable sources, such as active and passive solar systems, and wood; and both the ethanol and gasoline components of E85, but not the ethanol components of blends less than 85 percent. Excludes electricity imports using renewable sources and nonmarketed renewable energy. See Table A18 for selected nonmarketed residential and commercial renewable energy.

<sup>2</sup>Includes liquid hydrogen, methanol, supplemental natural gas, and some domestic inputs to refineries.

<sup>3</sup>Includes imports of crude oil for the Strategic Petroleum Reserve.

<sup>4</sup>Includes imports of finished petroleum products, imports of unfinished oils, alcohols, ethers, and blending components.

<sup>5</sup>Includes coal, coal coke (net), and electricity (net).

<sup>6</sup>Includes crude oil and petroleum products.

<sup>7</sup>Balancing item. Includes unaccounted for supply, losses, gains, and net storage withdrawals.

<sup>8</sup>Includes natural gas plant liquids, crude oil consumed as a fuel, and nonpetroleum based liquids for blending, such as ethanol.

<sup>9</sup>Includes net electricity imports, methanol, and liquid hydrogen.

<sup>10</sup>Average refiner acquisition cost for imported crude oil.

<sup>11</sup>Represents lower 48 onshore and offshore supplies.

Btu = British thermal unit.

Mcf = Thousand cubic feet.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 1998 and 1999 are model results and may differ slightly from official EIA data reports.

**Sources:** 1998 natural gas values: Energy Information Administration (EIA), *Natural Gas Annual 1998*, DOE/EIA-0131(98) (Washington, DC, October 1999). 1998 coal minemouth prices: EIA, *Coal Industry Annual 1998*, DOE/EIA-0584(98) (Washington, DC, June 2000). Other 1998 values: EIA, *Annual Energy Review 1999*, DOE/EIA-0384(99) (Washington, DC, July 2000). 1999 natural gas values: EIA, *Natural Gas Monthly*, DOE/EIA-0130(2000/06) (Washington, DC, June 2000). 1999 petroleum values: EIA, *Petroleum Supply Annual 1999*, DOE/EIA-0340(99/1) (Washington, DC, June 2000). Other 1999 values: EIA, *Annual Energy Review 1999*, DOE/EIA-0384(99) (Washington, DC, July 2000) and EIA, *Quarterly Coal Report*, DOE/EIA-0121(2000/1Q) (Washington, DC, August 2000). **Projections:** EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

# Crude Oil Equivalency Summary

**Table D2. Total Energy Supply and Disposition Summary**  
(Million Tons of Oil Equivalent, Unless Otherwise Noted)

Supply, Disposition, and Prices	Reference Case						Annual Growth 1999-2020 (percent)
	1998	1999	2005	2010	2015	2020	
<b>Production</b>							
Crude Oil and Lease Condensate .....	332.32	313.85	301.43	274.67	271.04	269.45	-0.7%
Natural Gas Plant Liquids .....	62.84	66.09	76.41	83.89	93.95	103.33	2.2%
Dry Natural Gas .....	483.69	482.81	538.06	598.24	678.45	750.78	2.1%
Coal .....	598.67	581.91	635.21	656.70	665.91	679.02	0.7%
Nuclear Power .....	181.28	196.37	199.15	193.82	171.94	154.53	-1.1%
Renewable Energy <sup>1</sup> .....	166.90	165.82	179.75	197.15	204.71	209.29	1.1%
Other <sup>2</sup> .....	16.45	41.60	14.33	7.65	7.99	8.45	-7.3%
<b>Total</b> .....	<b>1842.15</b>	<b>1848.46</b>	<b>1944.33</b>	<b>2012.12</b>	<b>2094.00</b>	<b>2174.84</b>	<b>0.8%</b>
<b>Imports</b>							
Crude Oil <sup>3</sup> .....	476.25	477.67	582.95	633.88	653.57	666.35	1.6%
Petroleum Products <sup>4</sup> .....	100.56	104.41	121.13	163.43	213.26	269.27	4.6%
Natural Gas .....	81.26	91.46	123.70	141.36	155.39	165.75	2.9%
Other Imports <sup>5</sup> .....	14.51	15.73	26.63	22.53	22.07	23.63	2.0%
<b>Total</b> .....	<b>672.58</b>	<b>689.27</b>	<b>854.42</b>	<b>961.19</b>	<b>1044.29</b>	<b>1125.00</b>	<b>2.4%</b>
<b>Exports</b>							
Petroleum <sup>6</sup> .....	48.95	49.90	45.61	44.89	46.16	48.19	-0.2%
Natural Gas .....	4.05	4.25	8.19	10.82	13.44	15.99	6.5%
Coal .....	50.12	37.18	38.01	36.68	34.11	35.43	-0.2%
<b>Total</b> .....	<b>103.12</b>	<b>91.33</b>	<b>91.82</b>	<b>92.38</b>	<b>93.71</b>	<b>99.61</b>	<b>0.4%</b>
<b>Discrepancy</b> <sup>7</sup> .....	<b>21.62</b>	<b>23.69</b>	<b>9.83</b>	<b>4.54</b>	<b>1.73</b>	<b>-1.02</b>	<b>N/A</b>
<b>Consumption</b>							
Petroleum Products <sup>8</sup> .....	936.49	958.35	1043.47	1119.09	1196.95	1274.85	1.4%
Natural Gas .....	553.31	553.24	652.15	724.41	816.25	896.46	2.3%
Coal .....	544.50	540.12	608.50	633.88	647.05	660.21	1.0%
Nuclear Power .....	181.28	196.37	199.15	193.82	171.94	154.53	-1.1%
Renewable Energy <sup>1</sup> .....	167.05	166.07	179.86	197.32	204.91	209.51	1.1%
Other <sup>9</sup> .....	7.36	8.57	13.97	7.88	5.74	5.71	-1.9%
<b>Total</b> .....	<b>2389.99</b>	<b>2422.72</b>	<b>2697.11</b>	<b>2876.39</b>	<b>3042.84</b>	<b>3201.26</b>	<b>1.3%</b>
<b>Net Imports - Petroleum</b> .....	<b>527.86</b>	<b>532.18</b>	<b>658.47</b>	<b>752.42</b>	<b>820.67</b>	<b>887.43</b>	<b>2.5%</b>
<b>Prices (1999 dollars per unit)</b>							
World Oil Price (dollars per barrel) <sup>10</sup> .....	12.02	17.35	20.83	21.37	21.89	22.41	1.2%
Gas Wellhead Price (dollars per Mcf) <sup>11</sup> .....	2.02	2.08	2.49	2.69	2.83	3.13	2.0%
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